

## Abstract

~~———The object is to provide an Air clean appratus that cleans up floating dusts in air in a room and is configured in a shape that can be placed in dead space in a room and will not be an obstacle when it is placed in a room.~~

[Means for Achieving the Object]—An air~~Air~~ clean apparatus~~appratus~~ comprising including an air ~~intake~~ 13-intake intended to be located at a lower position in a corner of a room and an air ~~outlet~~ 14-outlet intended to be located at an upper position in the corner of the room, and at least a ~~filter~~ 15-filter and a ~~blower~~ 18-blower both inside the ~~Air~~ air clean ~~appratus~~ apparatus, characterized in that, when the ~~Air~~ air clean appratus is installed in a room, a given quantity of circulating blowing air, the ~~said~~ given quantity is decided according to the height from the floor underneath the air intake and the underside-open area determined on the basis of particles of the maximum size to be eliminated at the air intake.

~~———The Air clean appratus 1 as a whole has a vertically elongated shape, whose lower portion is located near a floor surface and whose upper portion has a height such that it extends to the vicinity of a ceiling surface. An anterior filter 5 is provided near the air intake 3 at the lower portion, and a photocatalytic filter 6 is arranged above the anterior filter in a direction along the longitudinal axis of the main body of the Air clean appratus. A blower 10 is installed over the photocatalytic filter 6, the photocatalytic filter eliminate and decompose eontaminants contained in sucked air. Cleaned up air is blown out as circulating air from the air outlet 4 provided at the upper portion.~~

[Elected Figure]—FIG. 2